BEST AVAILABLE COPY

Fig. 1

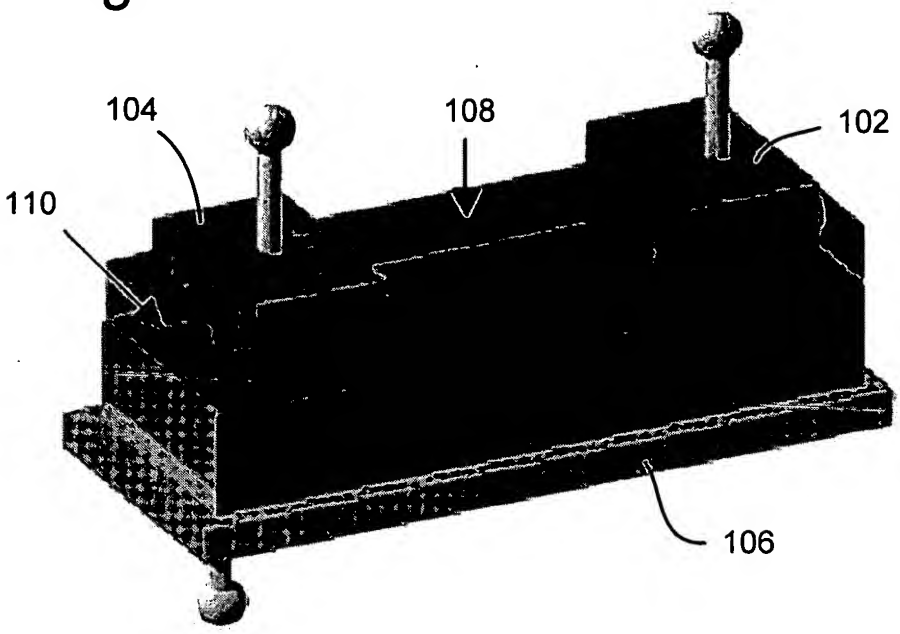
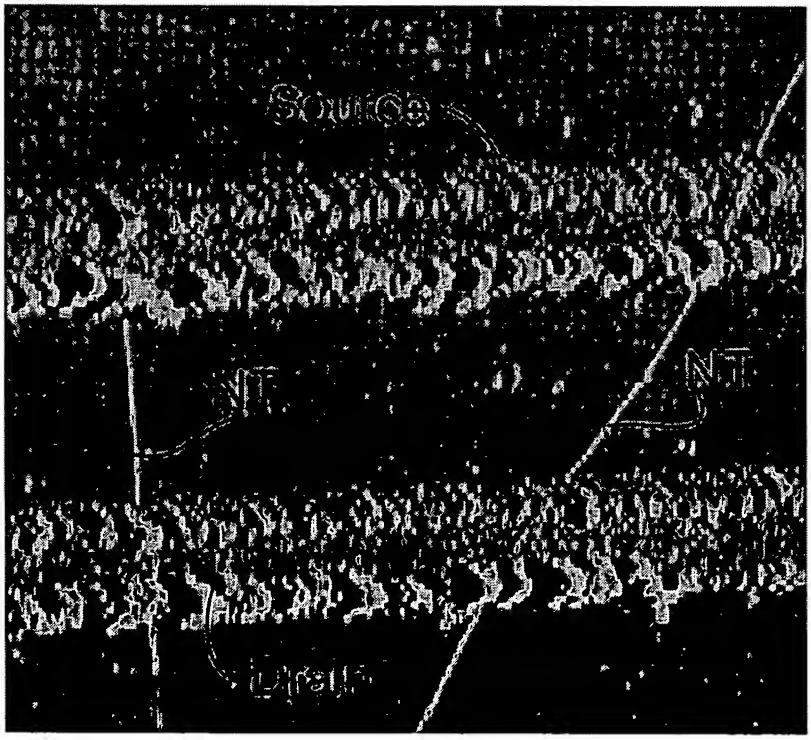


Fig. 2



BEST AVAILABLE COPY

Fig. 3A

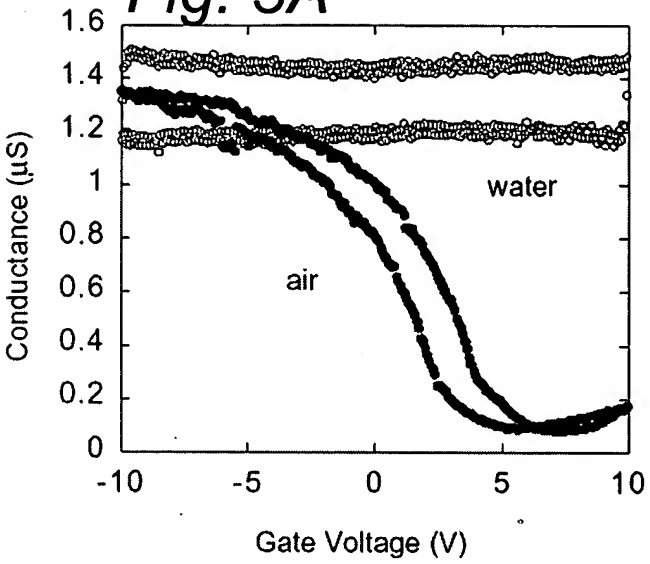


Fig. 3B

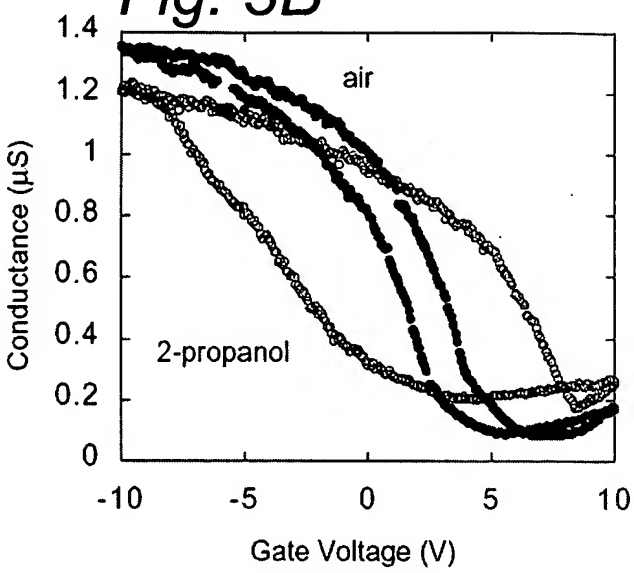


Fig. 3C

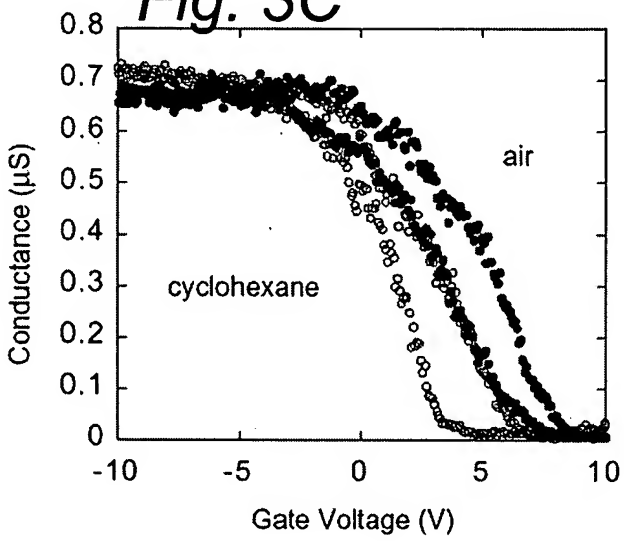


Fig. 4A

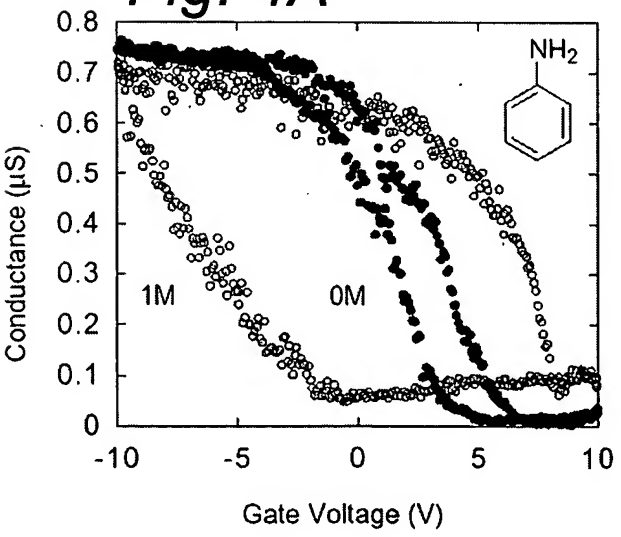
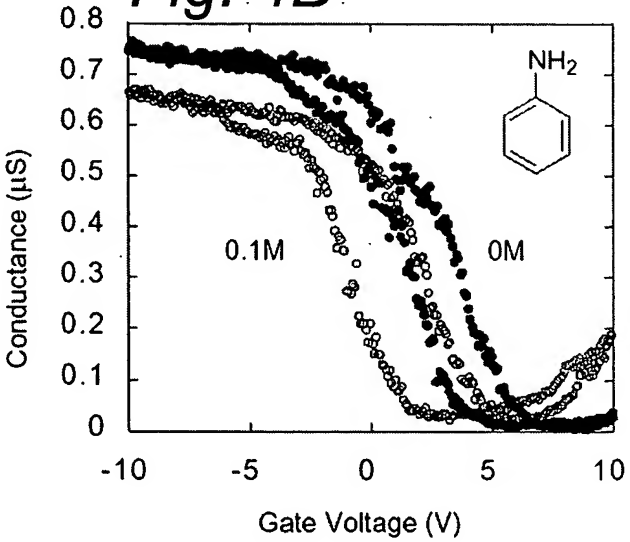


Fig. 4B



BEST AVAILABLE COPY

Fig. 5A

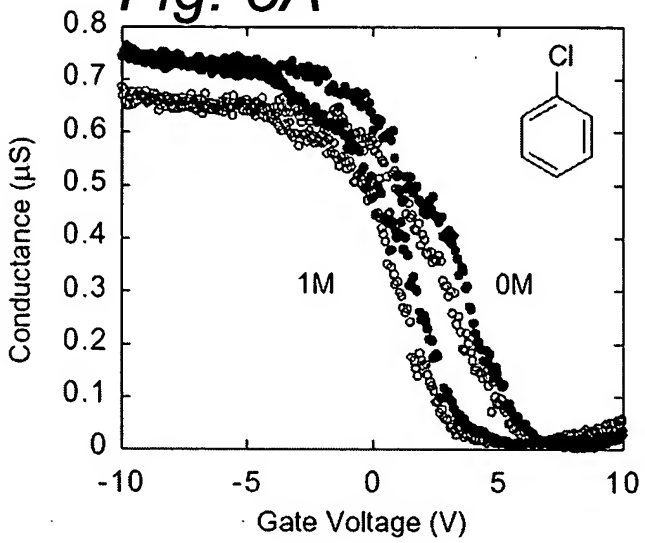


Fig. 5B

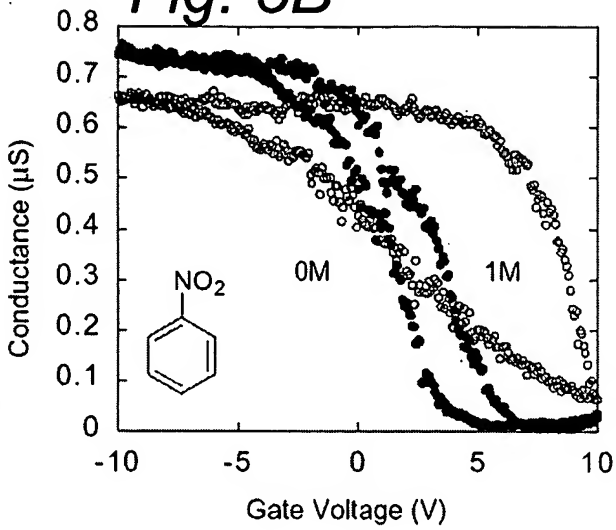
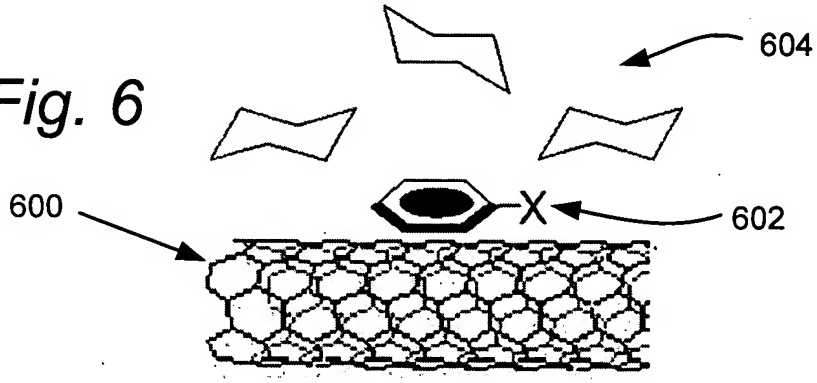


Fig. 6



X = NH_2, OH,
OCH_3, Cl, NO_2

Fig. 7

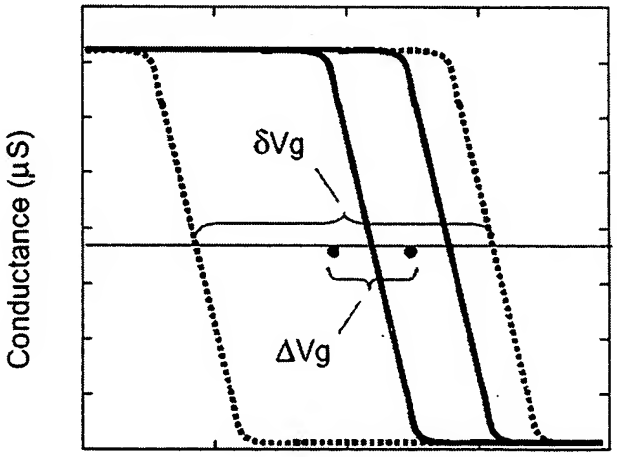


Fig. 8

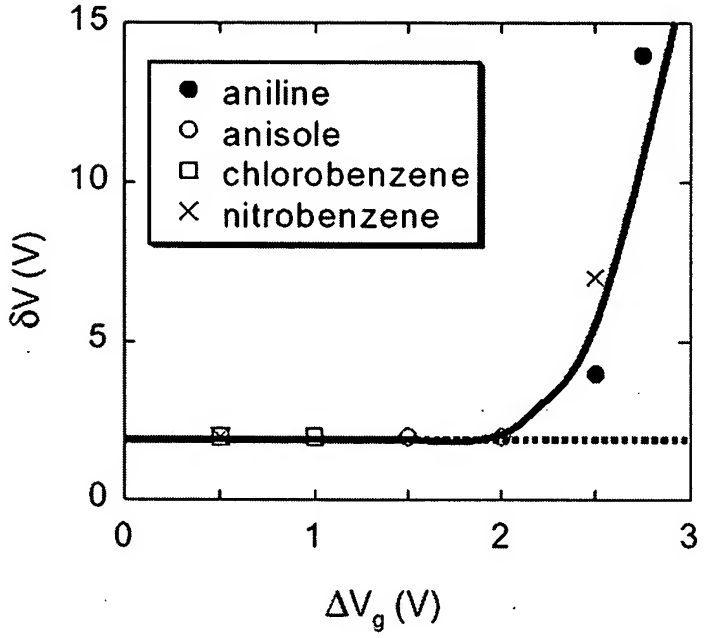
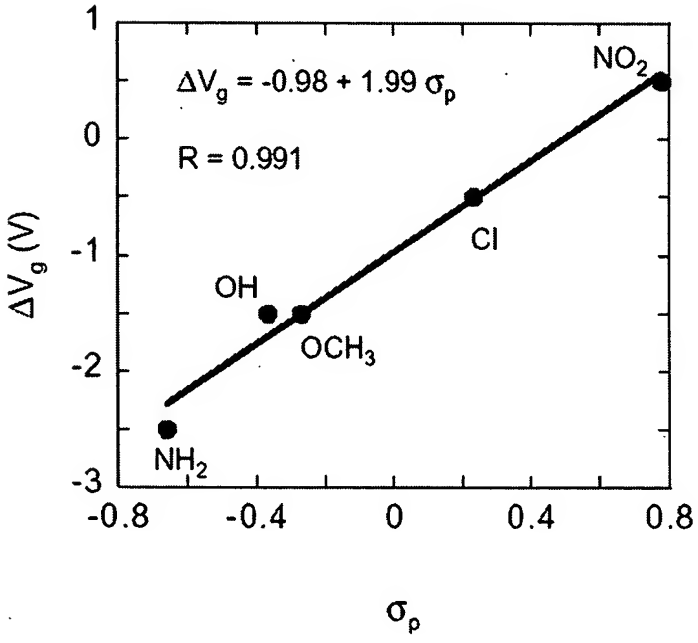

15
10
5
0
0
1
2
3
δV (V)
ΔV$_g$ (V)
aniline
anisole
chlorobenzene
nitrobenzene

Fig. 9


1
0
-1
-2
-3
-0.8
-0.4
0
0.4
0.8
ΔV$_g$ (V)
σ$_p$
ΔV$_g$ = -0.98 + 1.99 σ$_p$
R = 0.991
NO$_2$
Cl
OH
OCH$_3$
NH$_2$